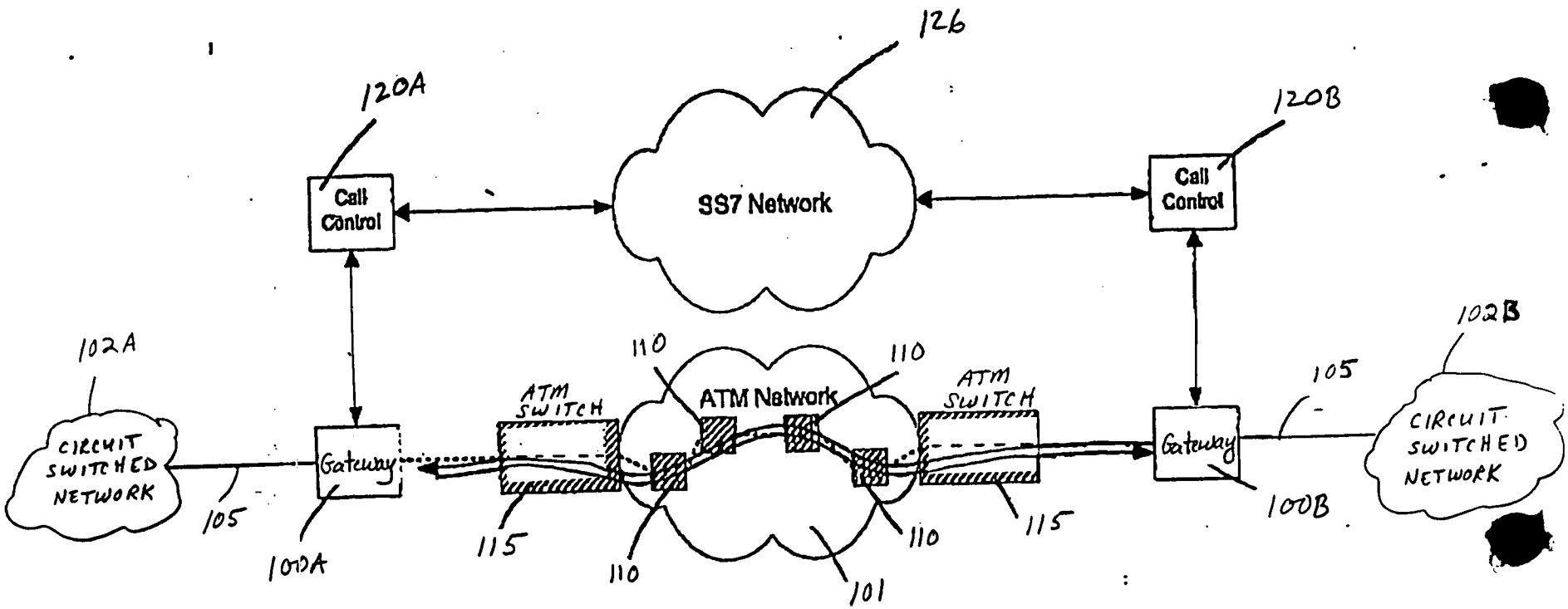
126
120A
120B
Call Control
SS7 Network
Call Control
102A
102B
110
110
ATM SWITCH
ATM Network
ATM SWITCH
105
CIRCUIT SWITCHED NETWORK
Gateway
Gateway
CIRCUIT SWITCHED NETWORK
105
100A
115
110
110
101
110
115
100B

FIG. 1

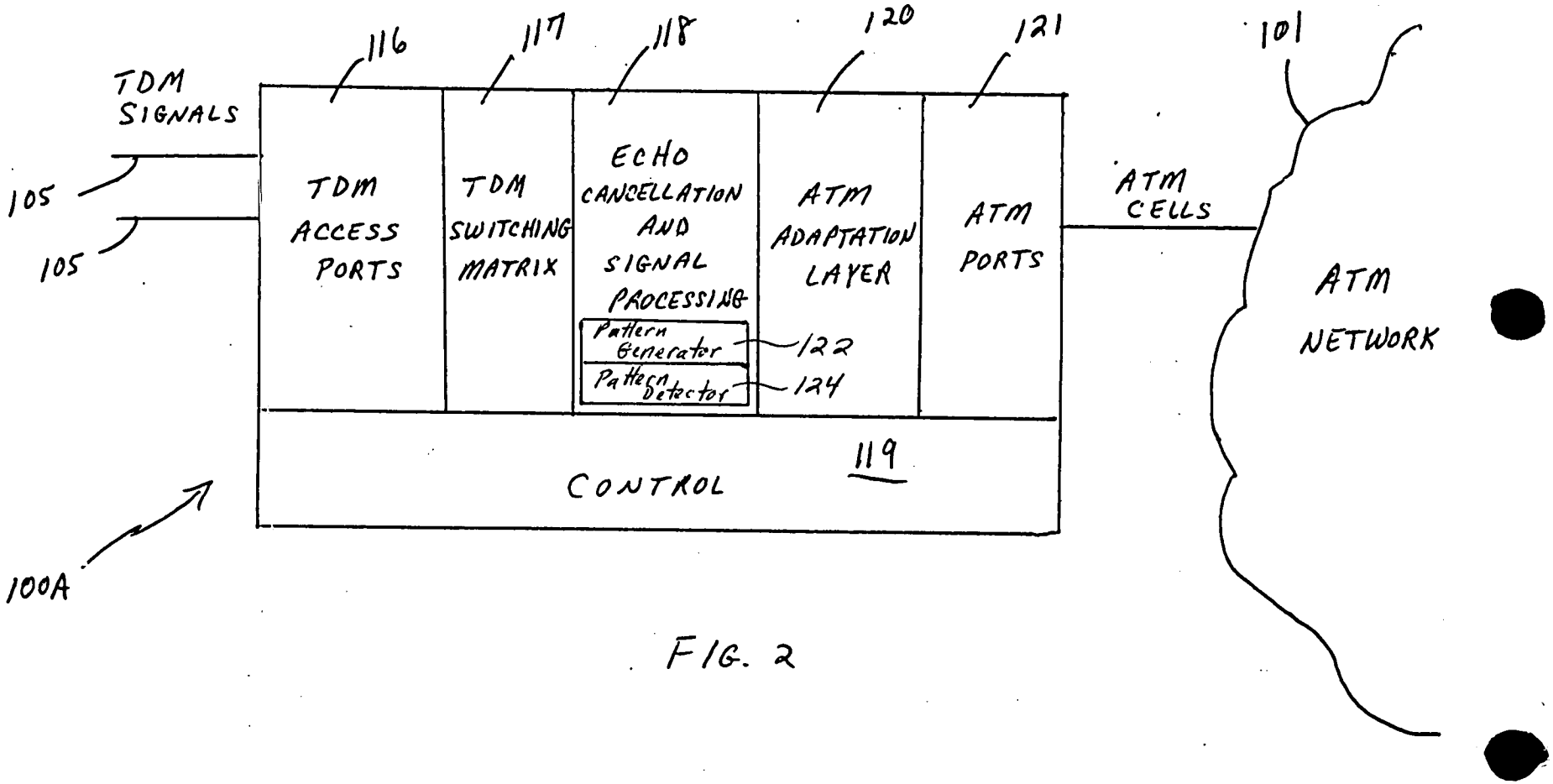
116
117
118
120
121
101
TDM SIGNALS
105
105
TDM ACCESS PORTS
TDM SWITCHING MATRIX
ECHO CANCELLATION AND SIGNAL PROCESSING
Pattern Generator
122
Pattern Detector
124
ATM ADAPTATION LAYER
ATM PORTS
ATM CELLS
ATM NETWORK
CONTROL
119
100A

FIG. 2

Docket: 0050.0050

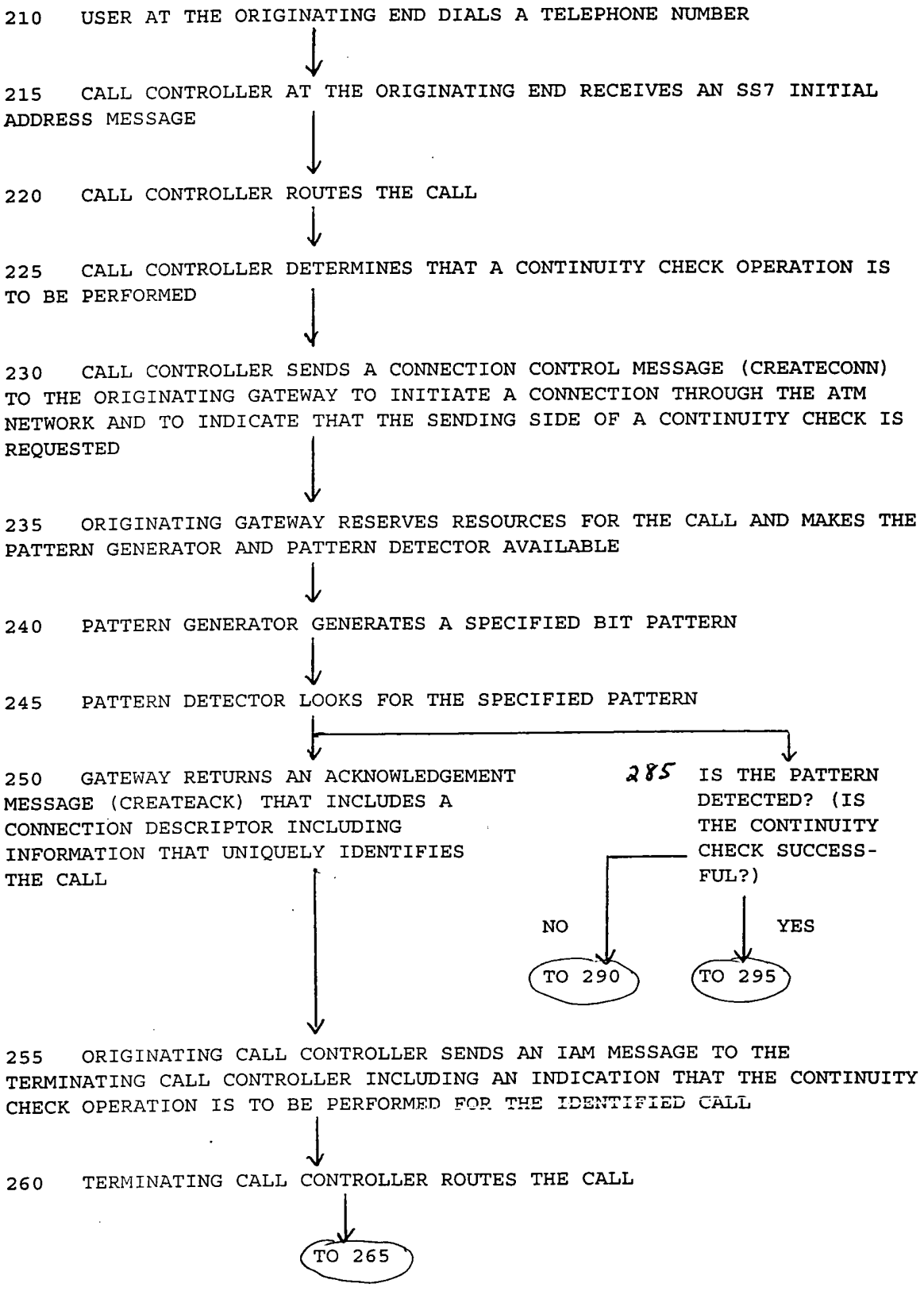

FIG. 3A

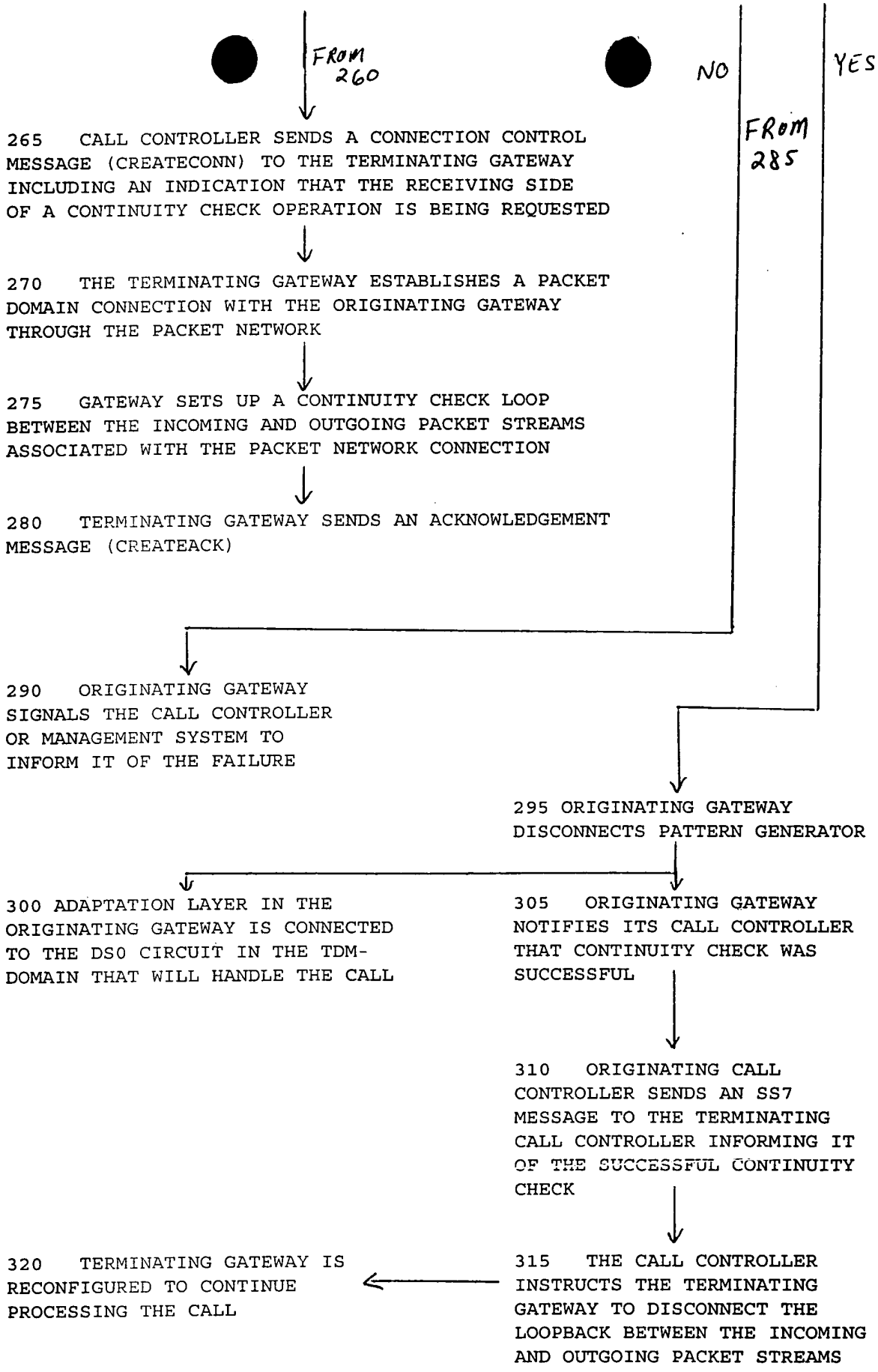

FIG. 3B

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Call Scenario **(Packet Connection in Backward Direction):**

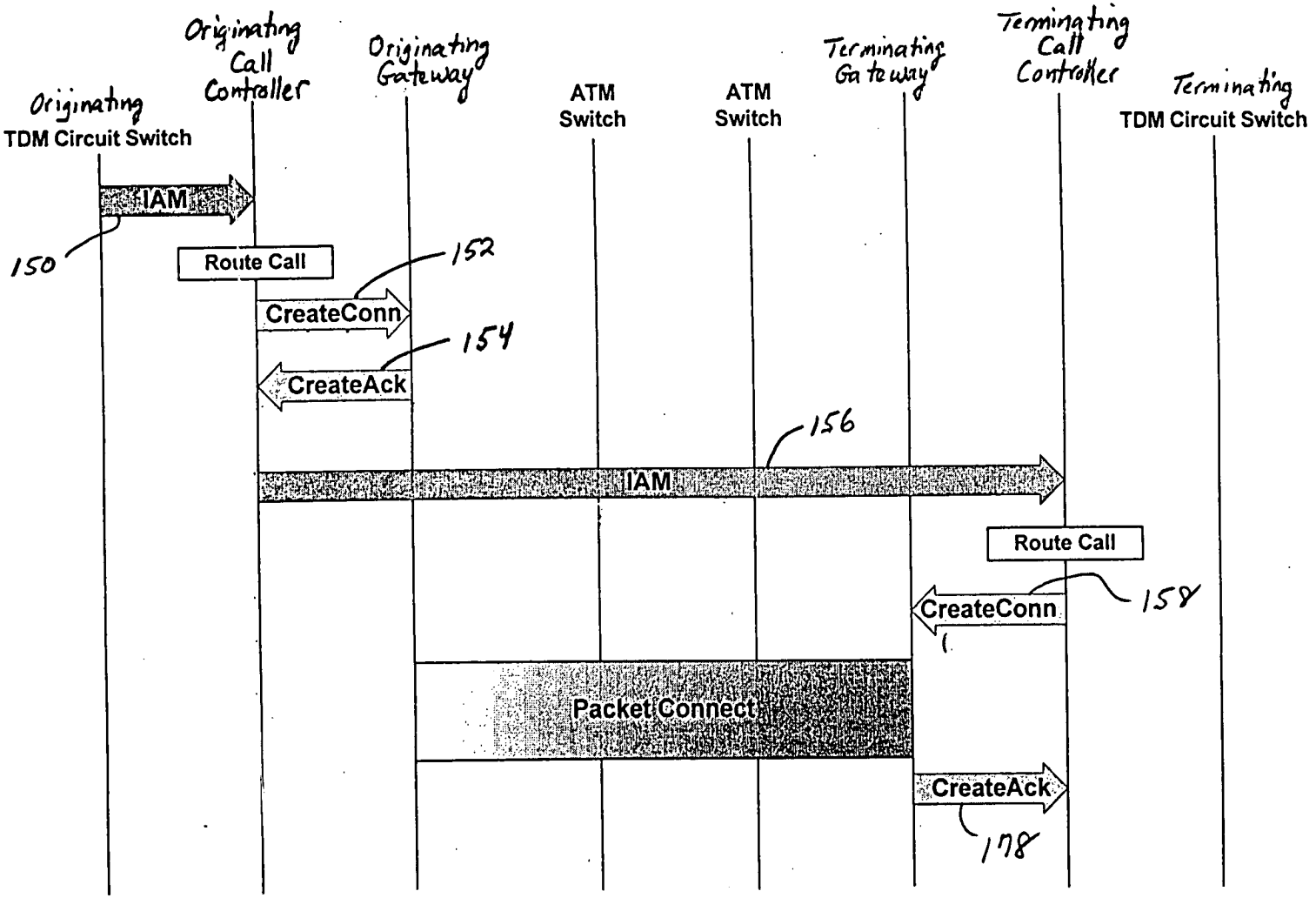

FIG. 4

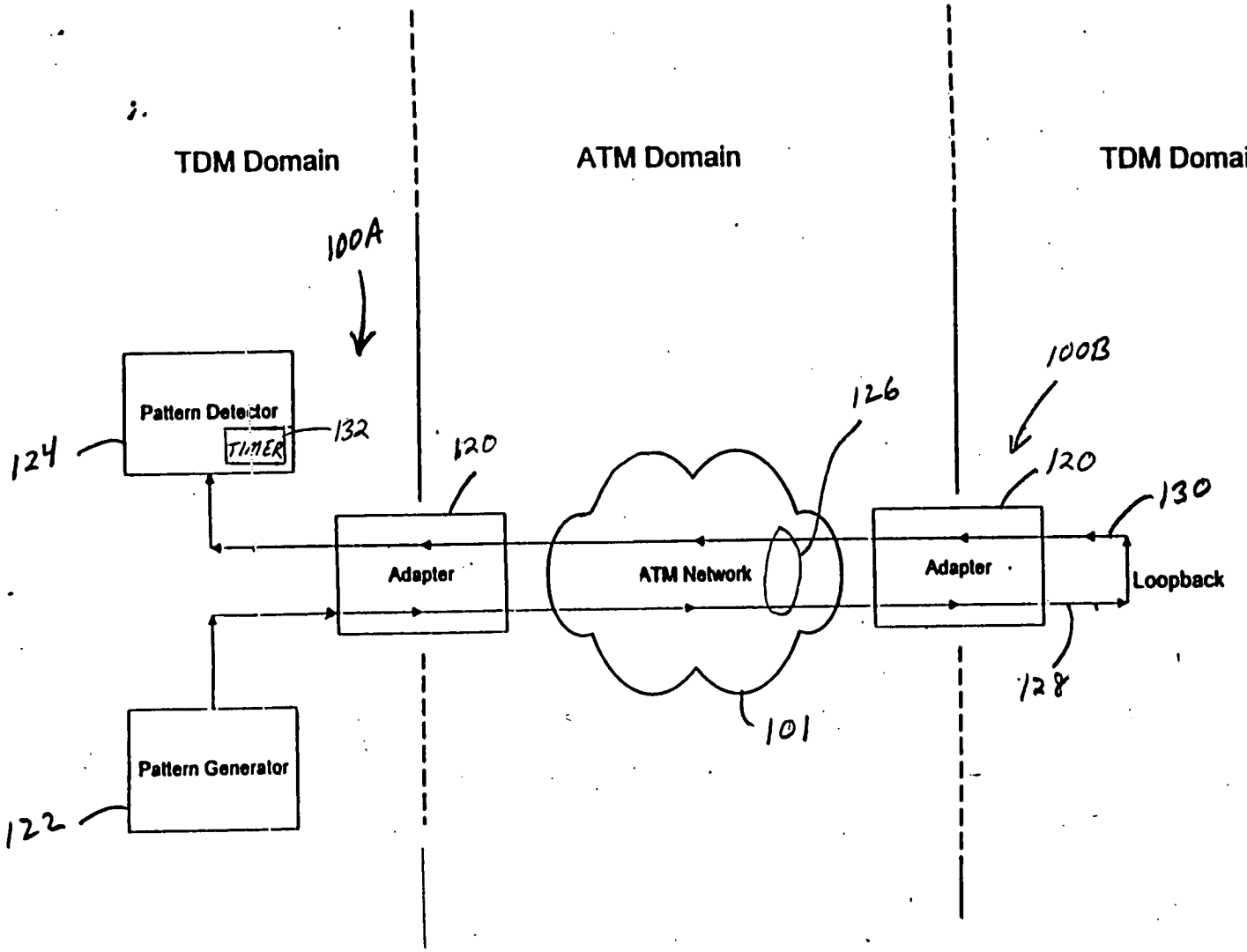
TDM Domain
ATM Domain
TDM Domain
100A
100B
Pattern Detector
TIMER
132
124
120
126
120
130
Adapter
ATM Network
Adapter
Loopback
128
101
Pattern Generator
122

FIG. 5.

Byte No.	Value
1	1111 1111
2	0000 0000
3	1000 0000
4	0100 0000
5	0010 0000
6	0001 0000
7	0000 1000
8	0000 0100
9	0000 0010
10	0000 0001
11	0111 1111
12	1011 1111
13	1101 1111
14	1110 1111
15	1111 0111
16	1111 1011
17	1111 1101
18	1111 1110
19	1010 1010
20	0101 0101

FIG. 6